

# State of Wyoming



## Department of Health

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***HIV/AIDS in Wyoming, Vol. 16, No. 2***

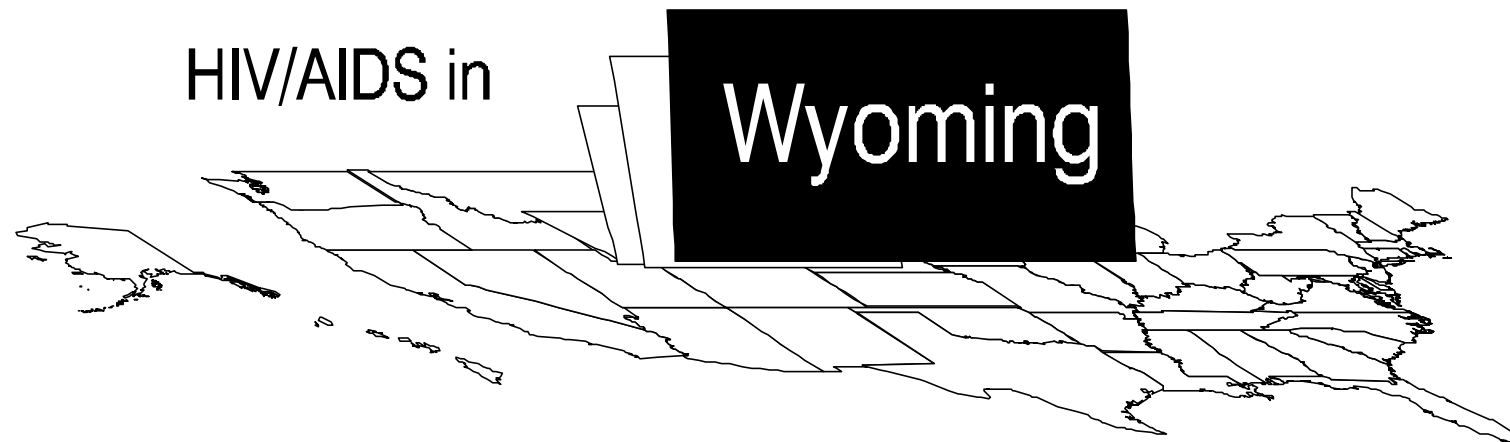
December 2007

**State of Wyoming**  
**Department of Health**

***HIV/AIDS in Wyoming, Vol. 16, No. 2***

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**HIV/AIDS Surveillance Report through December 2007**

**Vol. 16, No. 2**

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## **Summary**

During the period January 1 through December 31, 2007, six persons with AIDS were reported to the Wyoming Department of Health. Three of the AIDS cases reported were newly identified (no prior HIV-positive diagnosis); one individual had previously been reported as a case of HIV in another state and two individuals had previously been reported as cases of HIV in Wyoming. Fourteen cases of HIV infection, not AIDS, were reported during this time period. Thus, cases of newly identified HIV disease totaled seventeen.

## **Trends in Incidence**

During the same time period of 2006 (January through December), eight AIDS cases were reported. Four were considered newly identified (no previous HIV diagnosis); two had previously been reported as cases of HIV infection (not AIDS) in Wyoming and two had previously been reported as HIV cases in other states. Six HIV cases were reported during the same time period. Thus, newly identified infection totaled ten.

## **Cumulative Morbidity**

Wyoming HIV/AIDS morbidity includes 231 individuals diagnosed with AIDS (49 of these were originally diagnosed as HIV-positive in other states but moved to Wyoming, progressed to AIDS and are now counted as WY AIDS cases). Fifty-three of the individuals classified as Wyoming AIDS cases are currently presumed to be residing in Wyoming while 44 have left the state, 7 are lost to follow-up and 127 are deceased.

Of the 192 HIV cases reported to date, 105 have since developed AIDS (70 are now classified as Wyoming AIDS cases and are included among the 231 total AIDS cases reported to date and 35 are classified as AIDS cases in other states) leaving a total of 87 individuals currently classified as Wyoming HIV cases.

Of the 87 individuals currently classified as HIV cases, seven are deceased, twenty-two have moved from Wyoming and twelve are lost to follow-up, leaving a total of 46 individuals known to be residing in the state.

## **Current Status: Mortality**

Of the 231 individuals reported with AIDS through December 31, 2007, 127 are known to be deceased. Seven of the 192 HIV cases reported are known to be deceased (never classified as AIDS).

## **“Imported” Cases**

As of December 31, 2007, a total of 27 persons with HIV infection and 40 persons with AIDS initially diagnosed and reported in other states were presumed be residing in Wyoming. An additional 41 persons with AIDS and six individuals with HIV infection were also diagnosed and reported in other states prior to moving to Wyoming but are now deceased.

For Wyoming HIV/AIDS cases, county of residence at diagnosis does not necessarily reflect current county of residence.

If you require more detailed HIV/AIDS surveillance data, please call (307) 777-7719 or email: [cheryl.corbin@health.wyo.gov](mailto:cheryl.corbin@health.wyo.gov) This report is also available for download from our website: <http://wdh.state.wy.us/phsd/hivsurveillance>

## Technical Notes

Morbidity for HIV and AIDS cases is determined by the state of residence at diagnosis. Many individuals, including children, from other states have relocated to Wyoming after the initial diagnosis of HIV or AIDS. If a case of HIV infection from another state relocates to Wyoming, the case is not counted as a Wyoming HIV case -- it remains a case of the state of residence at HIV diagnosis. However, if the case progresses to AIDS while residing in Wyoming, morbidity for AIDS will be claimed by Wyoming. If a Wyoming HIV case moves to another state, the case remains a Wyoming HIV case until the individual progresses to AIDS. At that time, the new state of residence claims morbidity for the AIDS case and the case is no longer counted as a "current" Wyoming HIV case. If a Wyoming AIDS case moves to another state, the case remains a Wyoming AIDS case and is counted only by Wyoming. However, the new state of residence may provide information on the number of nonresident cases residing in that state. See pages 7 and 11 for information about cases from other states residing in Wyoming.

For surveillance purposes, HIV infection cases and AIDS cases are counted only once in a hierarchy of exposure categories ("risk"). Persons with more than one reported mode of exposure to HIV are classified in the exposure category listed first in the hierarchy, except for men with both a history of sexual contact with other men and injecting drug use. They make up a separate exposure category. Pediatric cases represent individuals less than thirteen years of age at the time of diagnosis.

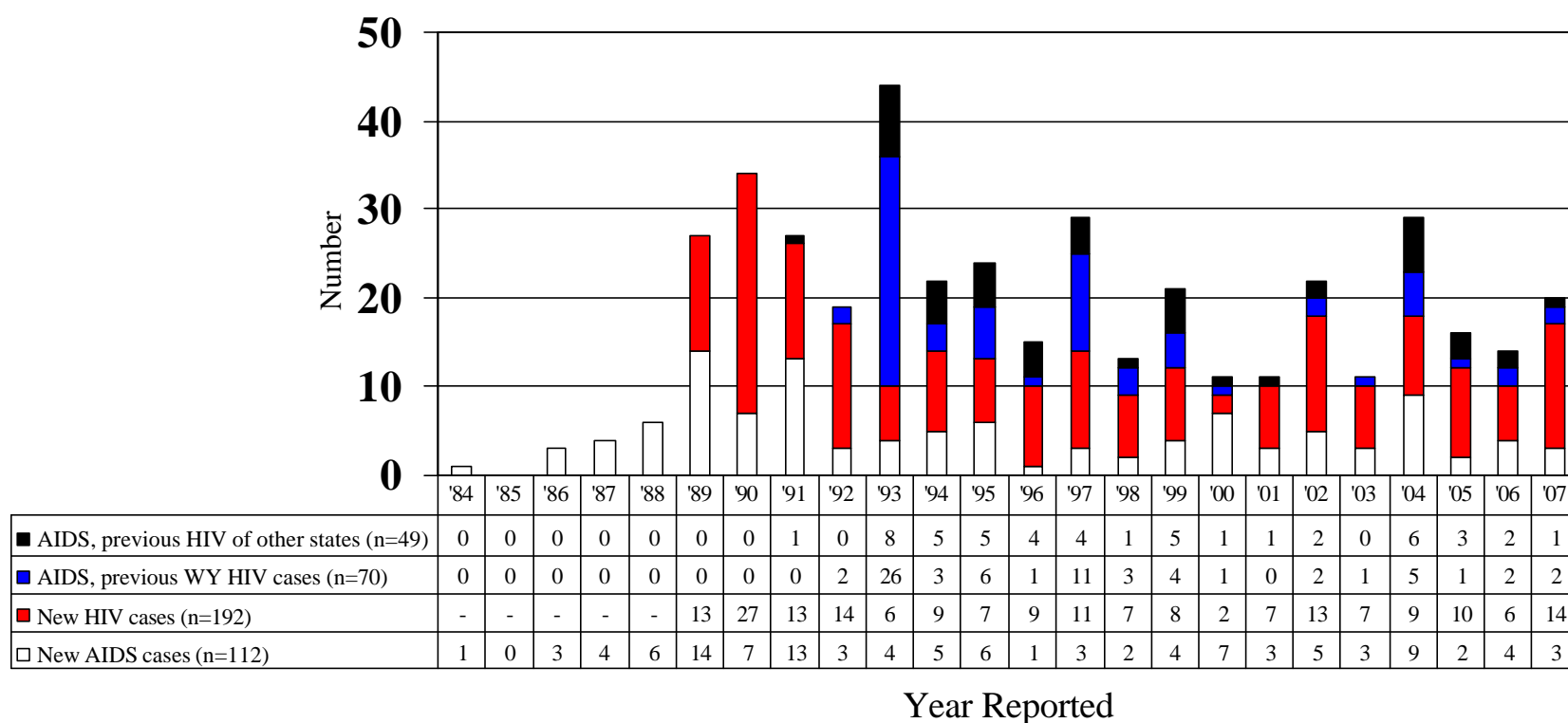
"Men who have sex with men" cases include men who report sexual contact with other men and men who report sexual contact with both men and women (i.e., bisexual contact). "Heterosexual" cases are in persons who report specific heterosexual contact with a person with, or at increased risk for, HIV infection (e.g., an injecting drug user).

"Unknown" cases are in persons with no reported history of exposure to HIV through any of the routes listed in the hierarchy of exposure categories. "Unknown" cases include persons who are currently under investigation by health department officials; persons whose exposure history is incomplete because they died or were lost to follow-up; and persons who were interviewed or for whom other follow-up information was available and no exposure mode was identified. Persons who have an exposure mode identified at the time of follow-up are reclassified into the appropriate exposure category. In general, investigations and follow-up are conducted routinely by the state health department for persons reported with AIDS and HIV infection.

The term "HIV Disease" includes both HIV-positive only cases and AIDS cases.

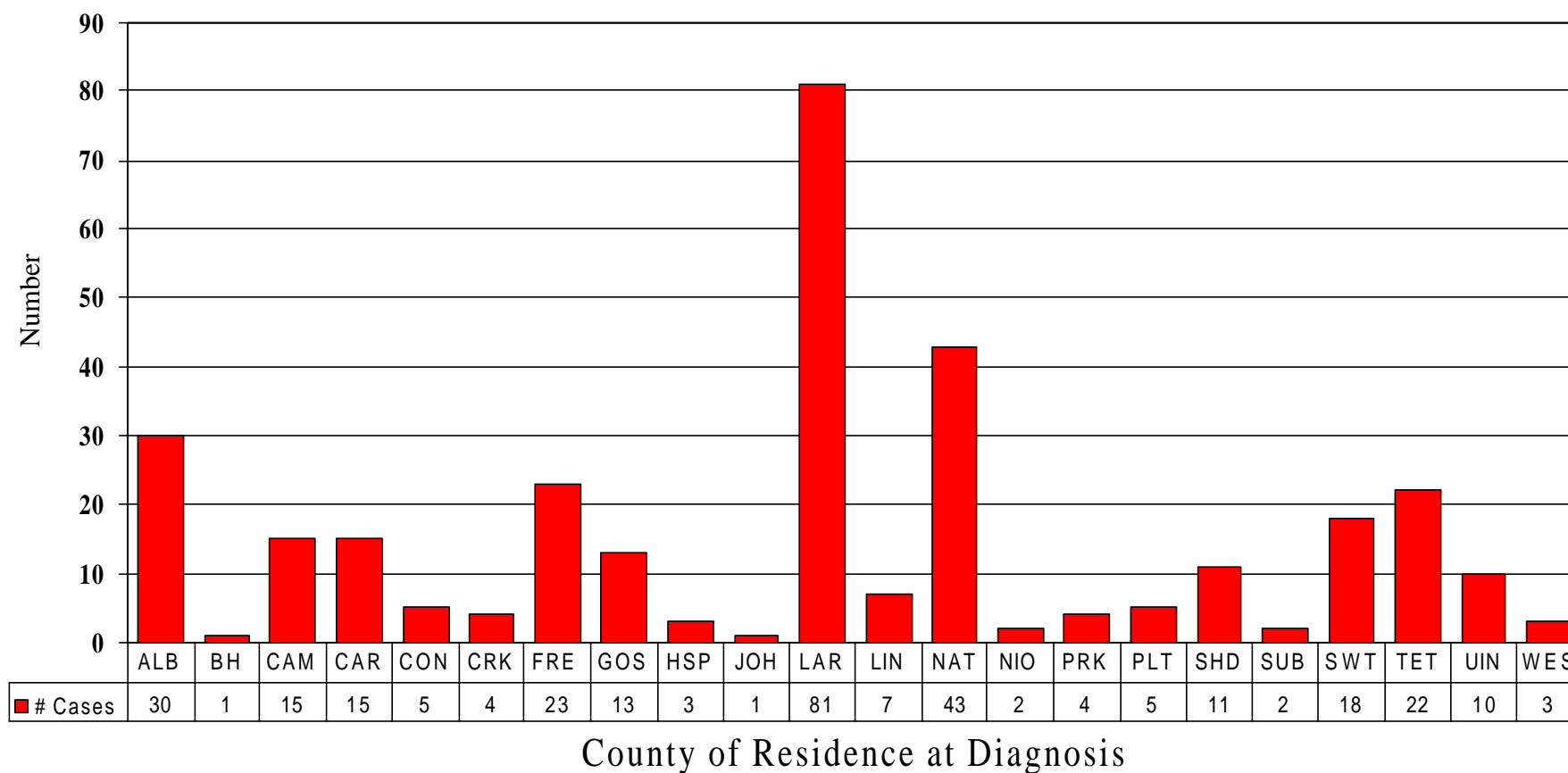
This report is compiled every six months during the calendar year and is made possible by a cooperative agreement (#U62/CCU823556-03) between the Wyoming Department of Health and the Centers for Disease Control and Prevention. The next surveillance report will be available after June 30, 2008. Please visit our web site at: <http://wdh.state.wy.us/phsd/hivsurveillance>

# Wyoming HIV and AIDS Incidence by Year of Report 1984 – December 2007



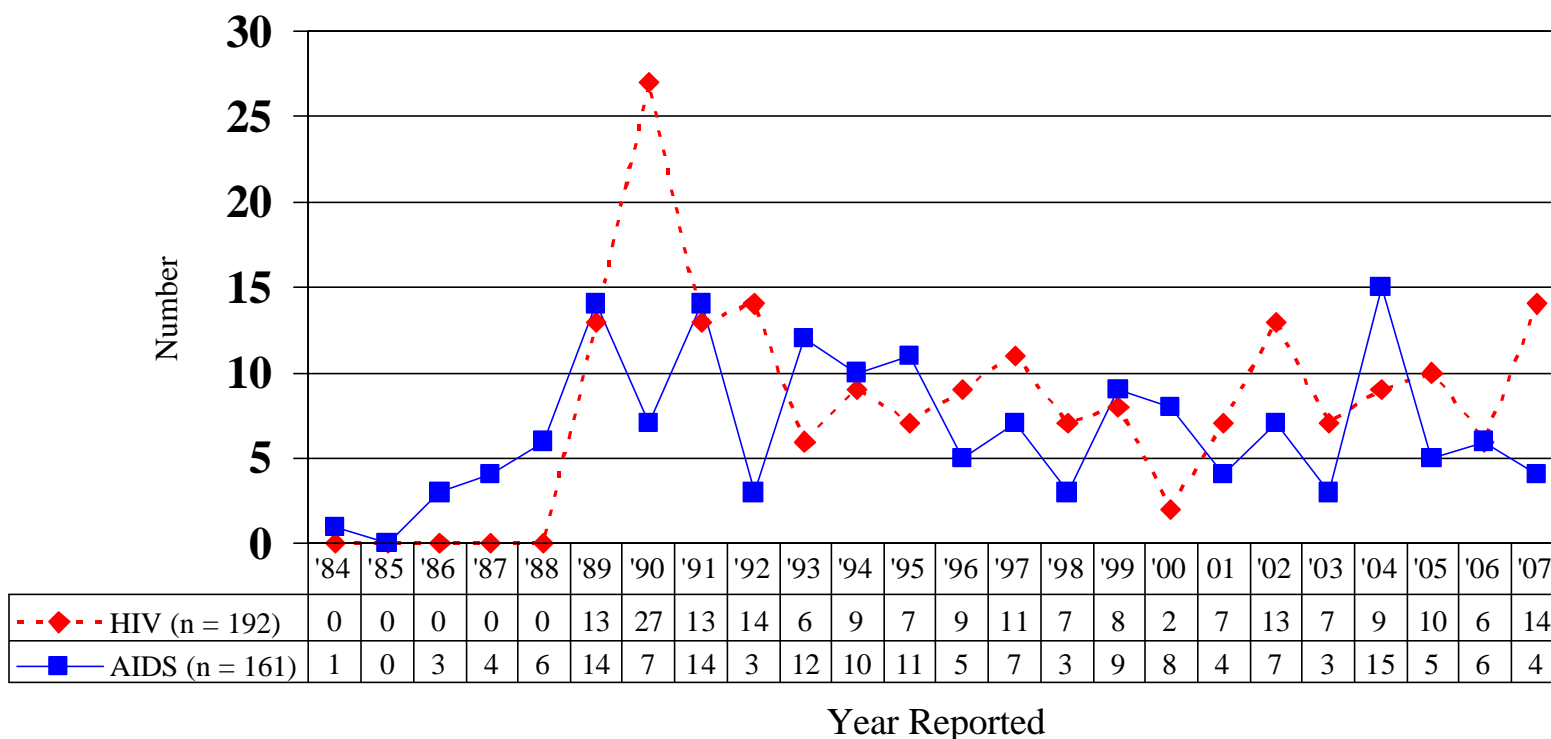
Figures will not total cumulative morbidity as some cases are counted twice. For example, a new HIV case reported in 1989 might also be counted in 1995 as an AIDS case, previous WY HIV case. A number of WY HIV cases have progressed to AIDS in other states and are not counted as WY AIDS cases. Annual numbers subject to change due to de-duplication and follow-up activities.

# Cumulative Incidence of HIV Disease by County of Residence at Diagnosis, Wyoming (1984 – December 2007) (AIDS = 231 / HIV = 87)



By current case classification (HIV or AIDS).

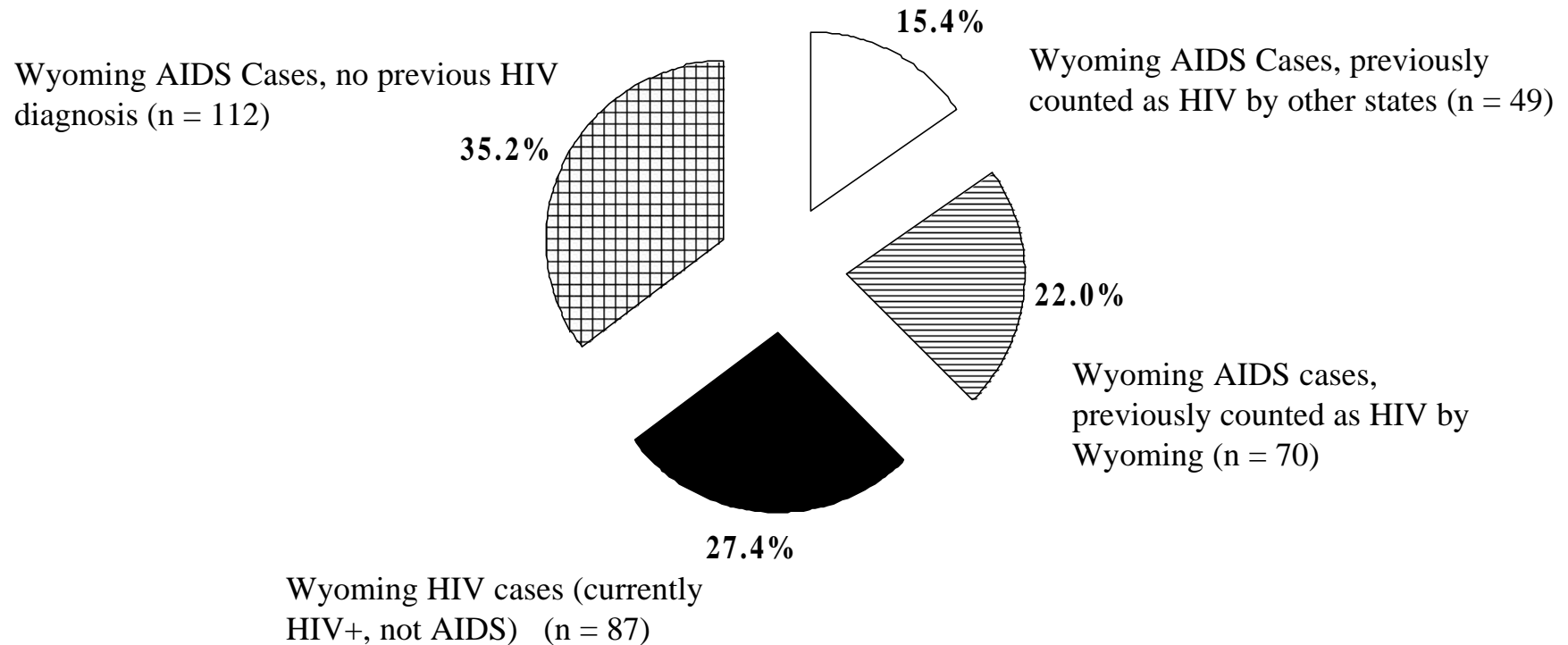
# Annual Incidence of HIV and AIDS in Wyoming, by *Original Wyoming Diagnostic Status\** and Year of Report (Cumulative, 1984 – December 2007)



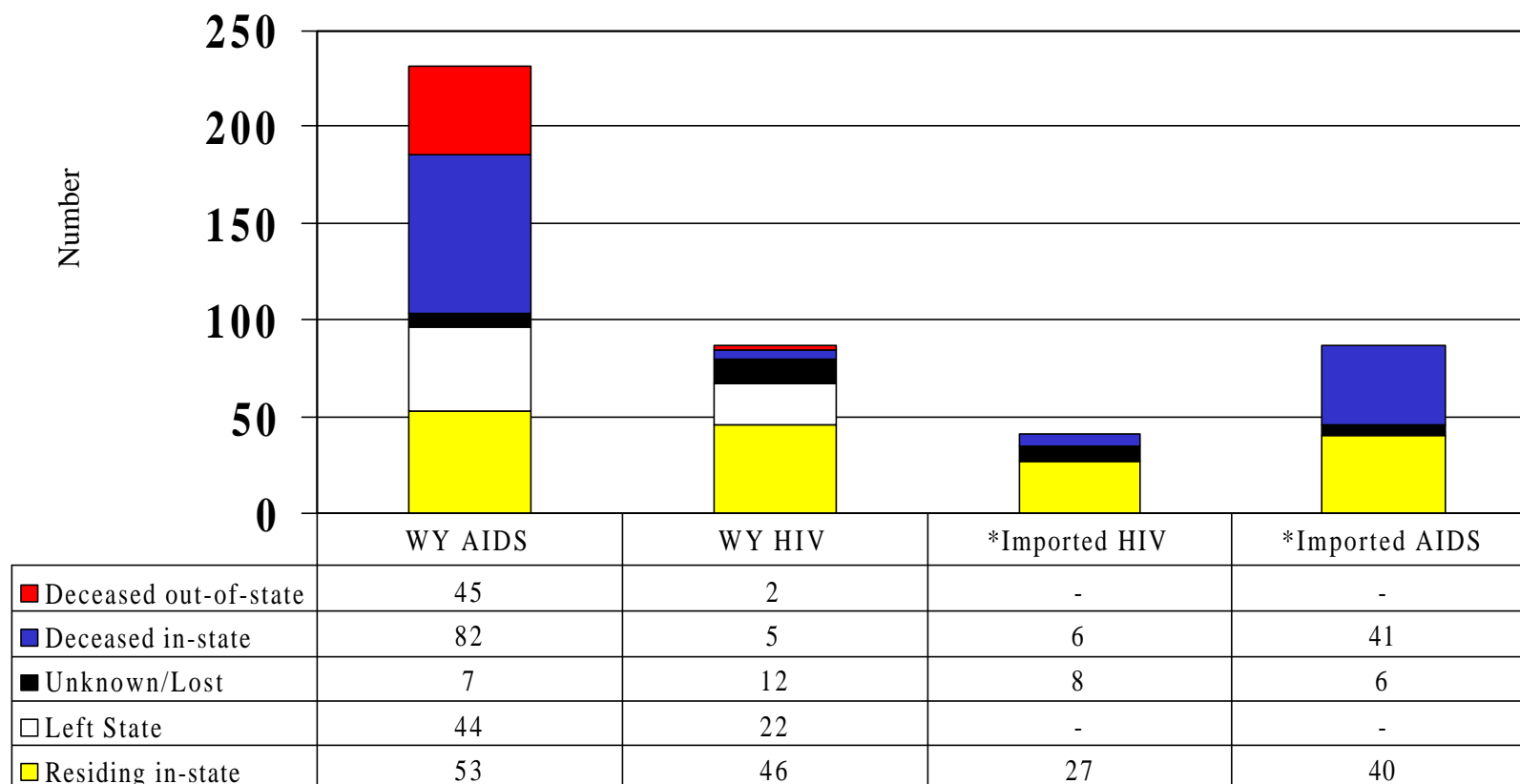
\* Represents initial Wyoming diagnosis. Example: If a case is initially reported as HIV and later is diagnosed as AIDS, the case is represented only once as HIV. AIDS cases include 49 individuals previously diagnosed as HIV in other states but later diagnosed as WY AIDS cases. HIV became reportable in Wyoming in 1989. Thirty-five individuals originally counted as WY HIV cases have moved to other states, progressed to AIDS and are now counted as AIDS cases in other states.



**Cumulative Wyoming HIV and AIDS *by Current Diagnostic Status***  
**1984 – December 2007**  
(AIDS = 231 / HIV = 87)

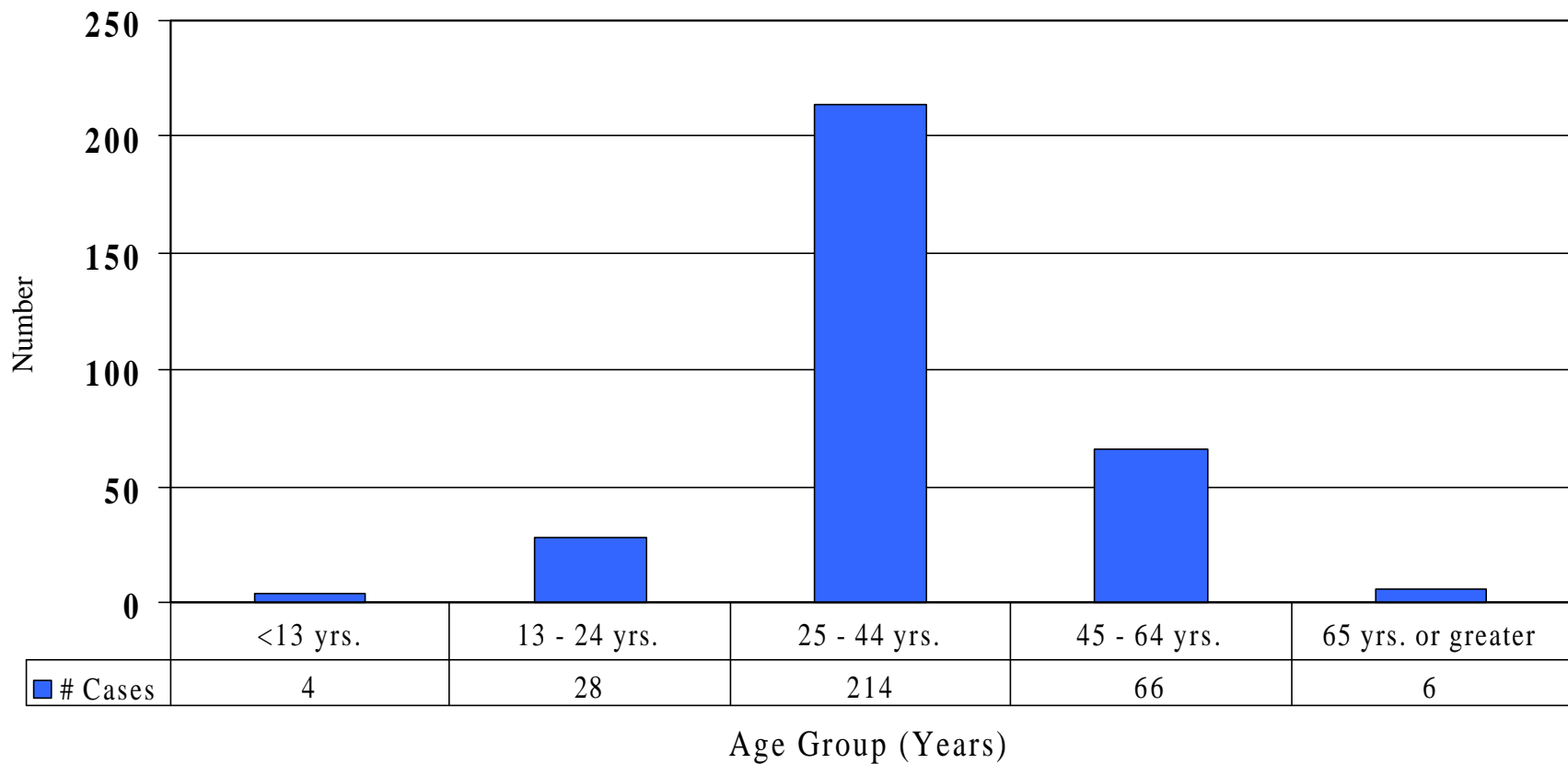


# Wyoming HIV and AIDS, by *Current Diagnostic Status* and Follow-up Status (Cumulative, 1984 - December 2007)



\*Imported = cases counted in other states but currently residing in Wyoming.

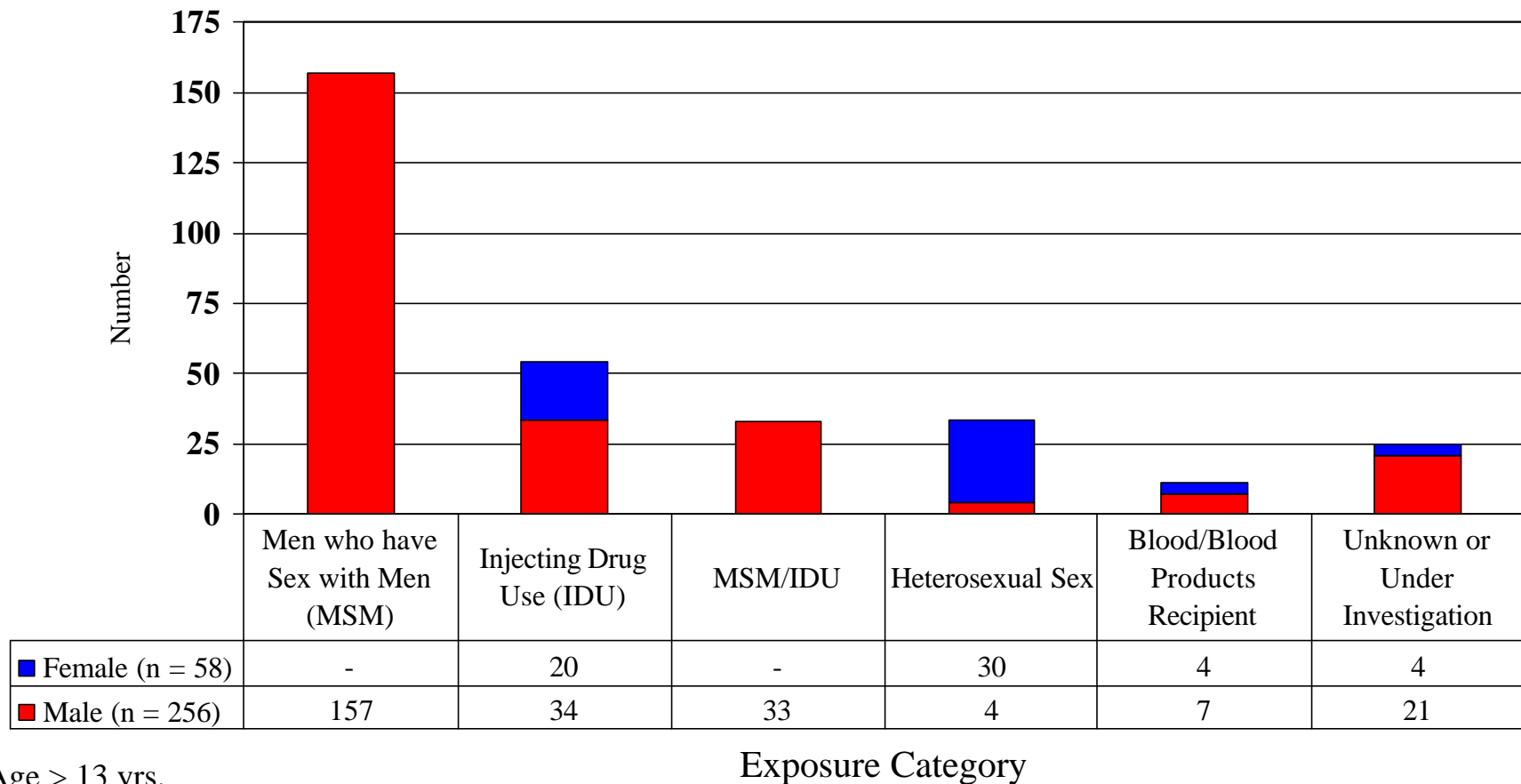
# HIV Disease by Age Group at Diagnosis (Cumulative, 1984 – December 2007) (AIDS = 231 / HIV = 87)



By current case classification (HIV or AIDS).

# Wyoming Adult/Adolescent\* HIV Disease by Gender and Exposure Category Cumulative, 1984 - December 2007

(n = 314)

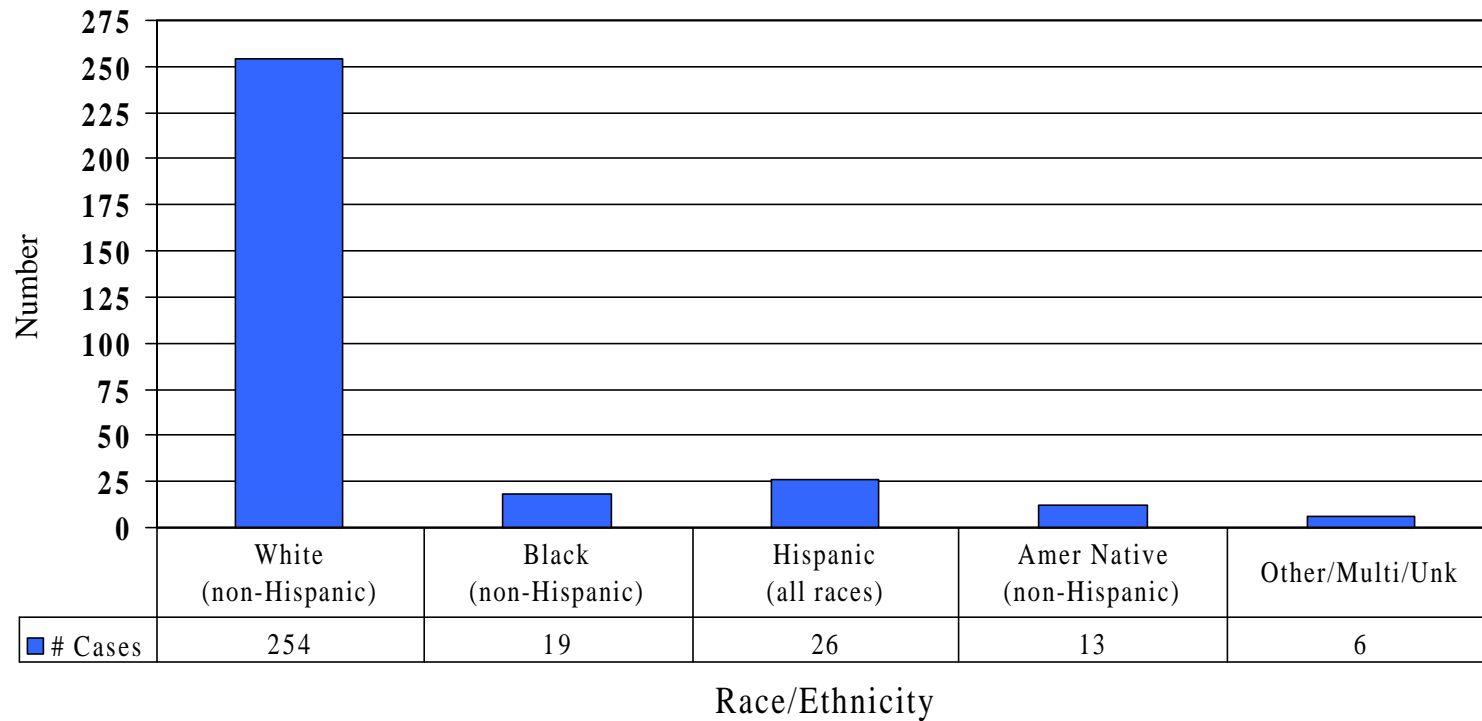


\*Age  $\geq$  13 yrs.

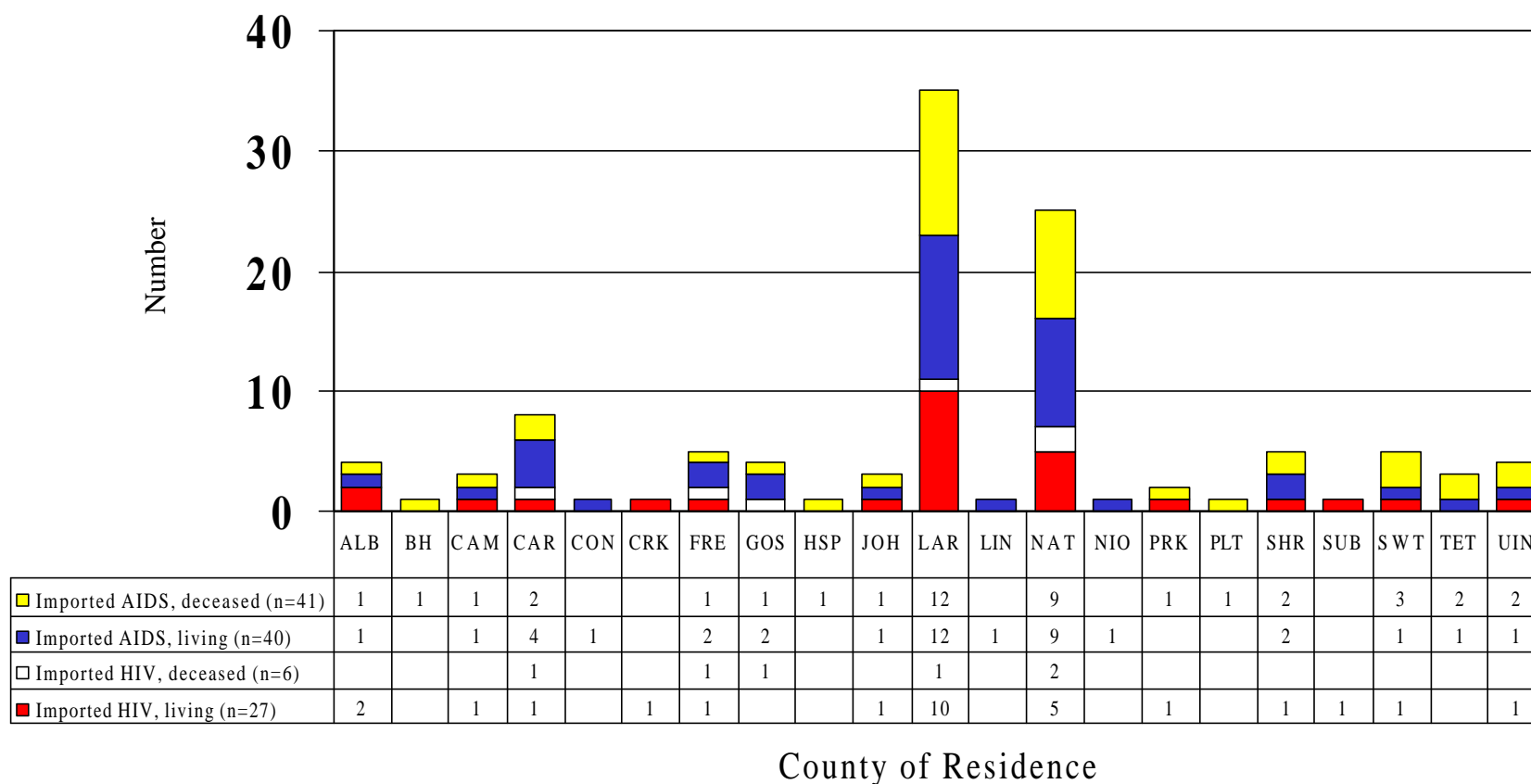
# Wyoming HIV Disease by Race/Ethnicity

## Cumulative, 1984 - December 2007

(AIDS = 231 / HIV = 87)



# **\*Imported HIV Disease by Current Diagnostic Status and County of Residence December 2007**



\* Not counted as Wyoming cases - counted by other states (resided in other states at time of diagnosis).

Persons Living with HIV Disease in Wyoming as of 12/31/07			
Wyoming and Non-Wyoming Cases (n = 166) (HIV=73; AIDS=93)			
Gender	No.	%	
Male	125	75.3%	
Female	41	24.7%	
Total	166	100.0%	
Race/Ethnicity			
White	122	73.5%	
Black	10	6.0%	
Hispanic	18	10.8%	
Native American	8	4.8%	
Multi-Race/Other/Unknown	8	4.8%	
Total	166	100.0%	
Age at Diagnosis			
Less than 13 yrs.	3	1.8%	
13 - 24 yrs.	15	9.0%	
25-44 yrs.	118	71.1%	
45 - 64 yrs.	29	17.5%	
65 yrs. or greater	1	0.6%	
Total	166	100.0%	
Exposure Category			
MSM	75	45.2%	
IDU	29	17.5%	
MSM/IDU	15	9.0%	
Blood/blood products	3	1.8%	
Heterosexual Sex	25	15.1%	
*sex with an IDU	8	32.0%	
*sex with bisex male	3	12.0%	
*sex with HIV+	13	52.0%	
*sex with hemophilia/transfusion recipient	1	4.0%	
Perinatal	3	1.8%	
No identified risk/risk unknown	16	9.6%	
Total	166	100.0%	
*Subset of "Heterosexual" exposure category.			
Numbers/Percentages in shaded area are calculated on total			
Heterosexual cases only.			

## **Web Sites - Additional Resources for HIV/AIDS Information**

Wyoming HIV/AIDS Surveillance Program

<http://wdh.state.wy.us/phsd/hivsurveillance>

Wyoming HIV/AIDS/Hepatitis Program (Prevention, Community Planning, C.A.R.E., etc.)

<http://www.wyohiv.info>

Wyoming Department of Health

<http://wdh.state.wy.us/>

(Links to All Division and Program Websites within the Department of Health)

Centers for Disease Control

<http://www.cdc.gov>